

Division of Measurement Standards  
8500 Fruitridge Road  
Sacramento, CA 95826-4808

DMS NOTICE  
QC - 02 - 1

June 11, 2002

Discard: 6/03

TO: WEIGHTS AND MEASURES OFFICIALS

**SUBJECT: Marketplace Surveys – Hardware and Building Materials**

The Division of Measurement Standards, in cooperation with the California Agricultural Commissioners and Sealers Association, has agreed that statewide Marketplace Commodity Surveys will be conducted on a regular basis. In keeping with the recommended schedule for marketplace surveys, a Hardware and Building Materials Survey will be conducted this year.

In order to complete the survey in a timely manner, we ask that the assigned samples be obtained and tested between June 24 and August 12, 2002. If you believe you will be unable to complete the testing during this period, please contact your Area Specialist.

Attachment A provides the criteria to be used in selecting the samples and outlines the specifications that were used in designing the survey.

Attachment B explains the testing and recording procedure to be used, and lists the subcategory commodities.

Attachment C lists the number of items in each subcategory to be sampled by each participating county. These assignments were made by random selection and grouped so that one type of geographic area would not dominate the survey.

If you have any questions regarding the survey, or need assistance, please contact your Area Specialist or Brett Saum, Measurement Compliance Program Supervisor, at (916) 229-3047.

Sincerely,

Mike Cleary  
Director  
(916) 229-3000

Attachments

cc: Valerie Brown, Deputy Secretary

**COMMODITY SURVEY**

**CATEGORY 12.00 - HARDWARE & BUILDING MATERIALS**

**(PREPACKAGED OR WEIGHT/MEASURE DETERMINED IN ADVANCE OF SALE)**

**SAMPLE SELECTION**

The selection of the establishments to be visited is to be made randomly by each county. The selection criteria are; (1) not more than three items from a single subcategory and (2) no more than 15 items overall shall be selected from the same retail establishment. All types of retail stores carrying Hardware & Building Materials shall be considered for selection, not just building supply, hardware, or lumber stores (i.e., carpet and flooring, home decorating, wallpaper and home decor, farm supply, supermarkets, mini marts, discount and variety stores, etc.).

For subcategory 12.50, Audits (point of pack) the number listed is the number of packers or packagers to be visited. The sample from each packer consists of a random selection of five items of any type or types of commodities from the 12.00 category packed at that location. If the packer only packages one item, select and test five packages of that item. A "packer" may include a retail outlet or distributor that receives product in bulk and puts it in package or predetermined amounts for retail sale.

This survey consists only of items prepackaged, pre-weighed/measured or "put up" in consumer or nonconsumer units in advance of sale.

**SURVEY SPECIFICATION**

There are 23 retail subcategories (12.01 through 12.40) in the retail Hardware & Building Materials category. Three subcategories (12.03, Furniture Hardware, 12.09, Lime & Fire Clay, and 12.14, Doors & Windows) were removed from the survey because of the nature of the commodity or limited distribution or supply. Thirty-six items will be selected from each of the remaining subcategories. This will result in a total retail sample of 720 items. One hundred eighty items will be selected from the packer subcategory, 12.50. The total sample size, retail, and point of pack will consist of 900 individual items.

Each county group will test approximately 25% of the total sample.

**COUNTY GROUPS**

- A: Los Angeles
- B: Orange, San Bernardino, San Diego, Santa Clara
- C: Alameda, Contra Costa, Fresno, Kern, Riverside, Sacramento, San Francisco, San Mateo, Ventura
- D: All Others

**INSPECTION PROCEDURE**

Testing shall be done according to National Institute of Standards and Technology Handbook 133 procedures for determining net contents. If an item is packaged, the package must be opened and the net contents weighed or measured. An estimated tare or surveillance tare may **not** be used.

Commodity Test Report 49-005 (Rev. 1/90) is to be used to report the test results. Write "HARDWARE SURVEY" on top of the report.

If the items are purchased at retail it is not necessary to fill in the "BUSINESS NAME" and "ADDRESS," just check the "RETAIL" box. Tests of retail purchases from more than one establishment may be listed on the same report.

If tested from or at the point of pack or distribution, fill in the "BUSINESS NAME" and "ADDRESS" and check the appropriate box.

**COMPLETE ALL THE INFORMATION IN EACH COLUMN**  
**FOR EACH ITEM TESTED AS FOLLOWS**

**"CAT. NO.":** Category Number - Since all items are from the 12.00 category it is only necessary to enter the two digits (subcategory) after the decimal point. See the following list for the types of commodities in each subcategory.

**"BRAND NAME":** The make of the commodity; e.g., for a package labeled "Titan Mending Plates," the brand name would be "Titan."

**"COMMODITY":** The complete identity of the product under test; i.e., "1/4 X 8 in carriage bolt," not just "carriage bolt."

**"RESPONSIBLE PARTY & ADDRESS":** The statement of responsibility on the package.

**"CODE(S)":** Any code or identifying marks on the package designating the part of the production this package is from.

**"PRICE":** The selling price when, or if, purchased at this location.

**"LABELED NET CONTENTS":** The content statement exactly as written on the label (e.g., 12-oz not .75 lb or 3/4 lb). Where there are two quantities (i.e., inch, pound and metric) check the greater value and circle that value on the report.

**"UNIT OF MEASURE":** The weight or measure value used to record errors and other information in whole numbers. The unit must be identified: .01 lb not just .01, 1 g, not just 1.

"RECORD IN UNITS OF MEASURE": The values in the next four columns are to be recorded only in whole units of measure.

"LABELED NET CONT.": The content statement converted to units of measure.

"MEASURED NET CONT.": The actual weight or measure of the contents of the package as found by testing.

"ERROR" "+" or "-": The difference between the "LABELED NET CONTENT" and the "MEASURED NET CONTENT." It is "+", if the "MEASURED NET CONTENT" is greater than the "LABELED NET CONTENT" and it is "-", if "LABELED NET CONTENT" is greater.

"TARE WEIGHT": The weight of the package or container not including the "MEASURED NET CONTENT."

"OTHER INFORMATION": Any other information pertinent to the commodity.

### **SUBCATEGORY COMMODITIES**

- 12.01 - Nails, Tacks, Brads, & Rivets
- 12.02 - Bolts, Nuts, Washers, & Screws
- ~~12.03 - Furniture Hardware~~
- 12.04 - Builders Hardware
- 12.05 - Other Hardware
- 12.06 - Electrical Equipment & Supplies
- 12.07 - Plumbing Equipment & Supplies
- 12.08 - Tile & Tile Supplies
- ~~12.09 - Lime & Fireclay~~
- 12.10 - Cement & Cement Color, Stucco, Plaster
- 12.11 - Mortar & Concrete Mix
- 12.12 - Flooring Products except for Linoleum, Carpets, & Rugs
- 12.13 - Linoleum & Similar Floor Coverings
- ~~12.14 - Doors & Windows~~
- 12.15 - Molding & Lumber
- 12.16 - Paneling, Wallboard, & Other Wall Sheeting
- 12.17 - Building Paper, Felt, & Plastic Covering
- 12.18 - Composition Shingles, Rolled Roofing
- 12.19 - Wood Shingles, Shakes, & Accessory Supplies
- 12.20 - Metal Roofing Products
- 12.21 - Fiberglass Roofing, Sheets & Rolls
- 12.22 - Fencing, Flashings, Wire Products & Posts
- 12.40 - Hardware & Building Materials, N.E.C. (Not Elsewhere Classified)
- 12.50 - Hardware & Building Materials. (Point of Pack) Packages from any of the subcategories that are inspected at the location where they are weighed or measured AND labeled.

COUNTY GROUP A

Los Angeles County:

Select and test 9 items from each of the following subcategories:

12.01	12.13
12.02	12.15
12.04	12.16
12.05	12.17
12.06	12.18
12.07	12.19
12.08	12.20
12.10	12.21
12.11	12.22
12.12	12.40

Total = 180 retail items

Subcategory 12.50

Select 9 packers; test 5 items from each of the 9 packers

Total = 45 items, point of pack

**Total sample Retail and Packer = 225 Items**

**GROUP B**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
ORANGE	12.01	6
	12.02	3
	12.04	4
	12.05	1
	12.06	2
	12.07	3
	12.08	3
	12.10	6
	12.11	3
	12.12	3
	12.13	2
	12.15	3
	12.16	4
	12.17	1
	12.18	3
	12.19	4
	12.20	2
	12.21	4
	12.22	1
	12.40	4
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN DIEGO	12.01	2
	12.02	3
	12.04	3
	12.05	5
	12.06	2
	12.07	3
	12.08	2
	12.11	2
	12.12	3
	12.13	3
	12.15	2
	12.16	4
	12.17	2
	12.18	4
	12.19	3
	12.20	1
	12.21	2
	12.22	5
	12.40	2
	12.50	3 Packers (5 items from each)

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN BERNARDINO	12.02	1
	12.04	1
	12.05	1
	12.06	1
	12.08	2
	12.10	1
	12.12	3
	12.15	3
	12.17	2
	12.18	1
	12.19	1
	12.20	3
	12.21	2
	12.22	2
	12.40	1
	12.50	2 Packers (5 items from each)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SANTA CLARA	12.01	1
	12.02	2
	12.04	1
	12.05	2
	12.06	4
	12.07	3
	12.08	2
	12.10	2
	12.11	4
	12.13	4
	12.15	1
	12.16	1
	12.17	4
	12.18	1
	12.19	1
	12.20	3
	12.21	1
	12.22	1
	12.40	2
	12.50	3 Packers (5 items from each)

**GROUP C**

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
ALAMEDA	12.01	2
	12.02	1
	12.04	2
	12.06	1
	12.08	4
	12.12	1
	12.15	1
	12.16	3
	12.17	2
	12.18	1
	12.19	3
	12.20	2
	12.21	4
	12.22	3
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
FRESNO	12.01	1
	12.04	1
	12.05	1
	12.06	1
	12.07	1
	12.10	2
	12.13	2
	12.16	3
	12.18	2
	12.20	1
	12.21	1
	12.40	3
	12.50	2 Packers (5 items from each)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
CONTRA COSTA	12.02	2
	12.04	1
	12.05	3
	12.06	1
	12.07	1
	12.08	1
	12.11	2
	12.12	1
	12.15	3
	12.17	2
	12.18	1
	12.21	1
	12.40	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
KERN	12.01	2
	12.02	2
	12.05	1
	12.08	1
	12.10	2
	12.11	2
	12.12	1
	12.13	2
	12.15	1
	12.16	1
	12.17	1
	12.18	1
	12.21	1
	12.22	3
	12.40	2
	12.50	1 Packer (5 items)

**GROUP C (CONT.)**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
RIVERSIDE	12.01	1
	12.04	1
	12.05	3
	12.06	3
	12.07	3
	12.10	2
	12.12	1
	12.13	1
	12.16	1
	12.17	1
	12.18	1
	12.19	1
	12.21	1
	12.22	1
	12.40	1
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SACRAMENTO	12.01	1
	12.04	2
	12.07	2
	12.08	1
	12.11	2
	12.12	1
	12.13	2
	12.17	1
	12.18	2
	12.19	3
	12.20	3
	12.40	1
	12.50	2 Packers (5 items from each)

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN FRANCISCO	12.01	1
	12.02	3
	12.06	2
	12.08	1
	12.10	2
	12.11	3
	12.12	3
	12.13	1
	12.15	1
	12.18	1
	12.40	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN MATEO	12.01	1
	12.02	1
	12.04	1
	12.05	1
	12.07	1
	12.08	1
	12.10	1
	12.13	1
	12.16	1
	12.17	1
	12.20	1
	12.22	2
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
VENTURA	12.04	1
	12.06	1
	12.07	1
	12.12	1
	12.15	3
	12.17	1
	12.19	2
	12.20	2
	12.21	1
	12.50	1 Packer (5 items)



**GROUP D**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
AMADOR	12.04	1
	12.13	2

COUNTY	SUB-CATEGORY	NUMBER ITEMS
BUTTE	12.02	1
	12.18	1
	12.50	2 Packers (5 items from each)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
CALAVARAS	12.18	1
	12.20	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
COLUSA	12.07	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
EL DORADO/ ALPINE	12.06	1
	12.08	2
	12.15	1
	12.40	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
GLENN	12.04	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
HUMBOLDT	12.12	1
	12.13	1
	12.20	1

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
IMPERIAL	12.01	1
	12.08	1
	12.17	1
	12.19	1
	12.21	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
INYO/MONO	12.22	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
KINGS	12.06	1
	12.10	1
	12.16	1
	12.20	1
	12.40	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
LAKE	12.05	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
LASSEN	12.17	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MADERA	12.01	1
	12.12	1
	12.19	1
	12.20	1

**GROUP D (CONT.)**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MARIN	12.12	1
	12.17	1
	12.19	1
	12.20	1
	12.21	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MARIPOSA	12.12	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MENDOCINO	12.10	1
	12.11	1
	12.16	1
	12.21	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MERCED	12.04	1
	12.11	1
	12.13	1
	12.19	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MODOC	12.17	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
MONTEREY	12.01	2
	12.07	1
	12.08	2
	12.10	1
	12.12	1
	12.13	2
	12.17	1
	12.20	1
	12.22	2

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
NAPA	12.02	1
	12.05	1
	12.07	2

COUNTY	SUB-CATEGORY	NUMBER ITEMS
NEVADA	12.02	1
	12.04	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
PLACER	12.06	2
	12.10	2
	12.16	1
	12.40	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN BENITO	12.04	1
	12.05	1
	12.08	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN JOAQUIN	12.02	2
	12.04	1
	12.05	1
	12.06	1
	12.07	1
	12.10	1
	12.11	2
	12.12	1
	12.13	1
	12.15	1
	12.16	4
	12.19	1
	12.21	1
	12.40	1
	12.50	2 Packers (5 items from each)

**GROUP D (CONT.)**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SAN LUIS OBISPO	12.02	1
	12.12	1
	12.13	1
	12.17	2
	12.19	1
	12.20	1
	12.21	1
	12.22	2

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SANTA BARBARA	12.01	3
	12.02	1
	12.06	2
	12.10	1
	12.11	2
	12.13	1
	12.15	2
	12.17	1
	12.18	1
	12.22	1
	12.40	2
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SANTA CRUZ	12.01	1
	12.04	2
	12.08	1
	12.15	1
	12.21	1
	12.22	1

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SHASTA	12.01	1
	12.05	1
	12.11	1
	12.18	1
	12.19	1
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SISKIYOU	12.11	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SOLANO	12.02	2
	12.10	1
	12.15	1
	12.16	1
	12.18	1
	12.20	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SONOMA	12.04	1
	12.05	1
	12.06	1
	12.15	1
	12.16	1
	12.17	1
	12.40	1
	12.50	1 Packer (5 items)

**GROUP D (CONT.)**

**ATTACHMENT C**

COUNTY	SUB-CATEGORY	NUMBER ITEMS
STANISLAUS	12.05	1
	12.07	1
	12.08	1
	12.15	1
	12.19	1
	12.21	3
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
SUTTER	12.12	1
	12.18	2

COUNTY	SUB-CATEGORY	NUMBER ITEMS
TEHAMA	12.11	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
TULARE	12.05	2
	12.06	1
	12.07	2
	12.10	1
	12.12	1
	12.15	1
	12.19	1
	12.20	1
	12.22	1
	12.40	1
	12.50	1 Packer (5 items)

COUNTY	SUB-CATEGORY	NUMBER ITEMS
TUOLUMNE	12.08	1

COUNTY	SUB-CATEGORY	NUMBER ITEMS
YOLO	12.07	1
	12.18	2

COUNTY	SUB-CATEGORY	NUMBER ITEMS
YUBA	12.22	1
	12.40	1